

**ELECTROMAGNETIC INTERFERENCE WAVEGUIDE
SHIELD WITH ABSORBER LAYER**

ABSTRACT OF THE DISCLOSURE

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A waveguide shield for containing electromagnetic interference (EMI) is disclosed. The waveguide shield includes an array of waveguide cells. Each waveguide cell has a contiguous inner surface coated with an absorber layer that absorbs EMI over a select frequency range. Each waveguide cell also has an aperture. The waveguide shield can be combined with a metallic chassis covering portions of a computer that generate the EMI and heat. The absorber layer allows the waveguide cells to have apertures of a size that can contain the EMI within the chassis while also allowing the heat trapped within the chassis to escape.

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